

**2009-2010**

**Technology 2012: The Future of Learning @ SAS**

**Shanghai American School  
Steps to Technology Success  
Year One Professional Development Plan**

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**Shanghai American School**  
*An International Community*

#### Background:

The Shanghai American School Steps to Technology Success (SSTS) are based upon the adopted National Educational Technology Standards and performance indicators from the International Society of Technology Education. The ISTE National Educational Technology Standards (NETS•T) and Performance Indicators for Teachers Effective teachers model and apply the National Educational Technology Standards for Students (NETS•S) as they design, implement, and assess learning experiences to engage students and improve learning; enrich professional practice; and provide positive models for students, colleagues, and the community. All teachers should meet the following standards and performance indicators.

#### Structure and Minimum Standard:

The SAS Steps to Technology Success (SSTS) are each divided into foundational skills and concepts that will be supported in a comprehensive professional development program that will begin in the fall of 2009 and be adjusted and refined through following two academic years. By the year 2012, all teachers (new or veteran) at SAS will be held to the minimum standard of mastery of the first 6 (Six) Steps to Technology Success.

#### Platform:

The Educational Computing Platform for Shanghai American School is the Apple Macintosh. Like all computing platforms, the Macintosh does have periodic system updates that will be installed on the computer. These “updates” may change the operational nature of the machine in small or large ways depending on the depth and breadth of the system update and the need of the organization. What this means to the community members at SAS is that continued and ongoing self-education is necessary by all members about the “whys”, “hows” and “whats” of use of the computer and its operating system.

If warranted, and required inservice sessions will be lead by technology facilitators. Any and all system skills would be considered foundational skills listed in SSTS #1, and it is the expectation that our school employees using the adopted platform maintain these skills throughout the time of their employment.

# Shanghai American School

## Steps to Technology Success (SSTS)

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### **SSTS I: Foundational Skills for Technology Survival**

- Technology 2012:The Future of Learning @ SAS- Technology Plan Awareness
- SAS Acceptable Use Policy
- 21st Century Skills- Awareness
- Macintosh System Basic Skills-
  - Laptop Care and Troubleshooting
  - Wireless (Airport) Connectivity
  - System Preferences and Dock Use
  - Printing
  - Files/Folders/Saving/Copying
- Safari and Mozilla Firefox
  - Web-Browsing Basics
  - History, Bookmarks, etc.
- Organizational Skills
  - Email Use
  - iCal
    - Calendar Creation, use and subscriptions
- iLife
  - iTunes
  - iPhoto
    - Photo Organization and Editing
- iWork and Office
  - Basic Word Processing (Word or Pages)
  - Spreadsheet (Excel or Numbers)
  - Presentation Software (Powerpoint or Keynote)
- PowerSchool Operational Skills
  - Attendance
  - PowerGrader (where appropriate)



## ***Together we will:***

- Step 1: Watch Tour of 21st Century Learning DVD. Click on the Discussion tab above and leave a comment about a project you're interested in adapting for next year.
- Step 2: Test MacBook w/ your classroom LCD, SMARTBoard, ELMO, electronic microscopes, probes, heart monitors etc. (if applicable)
- Step 3: Join Apple Learning Interchange (ALI). Find a project you'd like to adapt for next year.
- Step 4: Create a del.icio.us account. Add a few colleagues to your network.
- Step 5: Connect a MacBook to the Novell network.
- Step 6: Evaluate a few of Atomic Learning's Mac tutorials. Check your email for log-in.
- Step 7: Convert one of your Powerpoint presentations to a Keynote presentation.
- Step 8: Compare MS Word Mac to Pages.
- Step 9: Compare Safari to Firefox to Internet Explorer.
- Step 10: Create a Google document to store your various account usernames and passwords (Gmail, Moodle, Wikispaces, iTunes, etc)
- Step 11: Access the SAS Professional Development Ning

## **SSTS 2: SSTS #3: Learn about Web 2.0, and Why it Matters**

<http://k12learning20.wikispaces.com/2-web2>

### **Introduction**

The term "Web 2.0" can be applied across broad categories of emerging technology tools and design principles, social and economic shifts, business philosophies, participatory media and culture, etc.... Web 2.0 tools (blogs, wikis, podcasts, social networking and social bookmarking sites, tagging, photo- and video-sharing, RSS, etc...) are collaborative, browser-based and user-driven. They include platforms and tools for publishing, connecting, sharing, organizing and remixing.

A popular synonym for "Web 2.0" is the "Read/Write" web, which suggests that users are contributing, creating and collaborating rather than just consuming web content. "Web 1.0" or the "Read-Only" web was a place where the average user didn't publish content, because it required technical knowledge (HTML and other programming code) and money (to purchase server space and software). Web 2.0 tools allow users to easily participate and to customize their online experiences.

At its core, Web 2.0 is about powerful Web-based technologies connecting people and ideas.

### **So, what is Web 2.0?**

Here are a few "one-sentence" definitions, and one that is slightly longer:

- "It's not a web of computers; it's a web of people." - Tim Berners-Lee, Inventor of the World Wide Web
- "Working on the Internet is the same as working on your desktop." - Sarah Bresee, Outcast
- "Web 2.0 is the two-way web where content finds you." - Ron Rasmussen, KnowNow
- "People doing things together on the web." - Mitchell Baker, Mozilla Foundation
- "The new WWW: Whatever. Whenever. Wherever." - Tom March, Educator, Inventor of WebQuests



### **View the four videos:**

- The Machine is Us: <http://www.youtube.com/watch?v=6gmP4nk0EOE>
- Did You Know- Shift Happens: <http://www.youtube.com/watch?v=ljbl-363A2Q>
- A Vision of Students Today: <http://www.youtube.com/watch?v=dGCJ46vyR9o>
- Watch "The Networked Student In Plain English" (<http://www.youtube.com/watch?v=XwM4ieFOotA>)

### **Task:**

What might Web 2.0 look like in school? Read the attached article "A Day in the Life of Web 2.0." [http://k12learning20.wikispaces.com/space/showimage/a\\_day\\_in\\_the\\_life\\_of\\_web\\_2\\_0\\_AppC.pdf](http://k12learning20.wikispaces.com/space/showimage/a_day_in_the_life_of_web_2_0_AppC.pdf) by David Warlick. Consider the ways in which Web 2.0 tools might change (or have already changed) your professional practice. How might you be able to use these new tools to engage today's "digital learners?" Why would you want to? Next, you will be asked to complete a blog post reflecting on your initial thoughts about Web 2.0 and its role in 21st Century teaching and learning, so please write or type some notes for a future blog post.

### **SSTS #3: The use of Atlas for Curriculum Mapping**

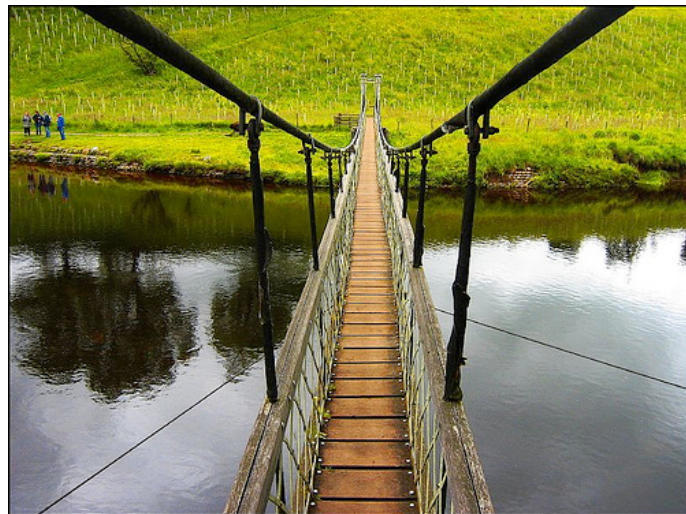
- Learn to log in and navigate the Atlas Mapping System. (<http://saschina.rubiconatlas.org/>)
- Learn to create, review, revise curriculum maps
- Learn to post questions and review notes on maps

### **SSTS #4: Using PowerSchool, PowerGrader**

- Learn to login and take attendance. (<http://powerschool.saschina.org/teachers/pw.html>)
- Learn to create gradebooks (at appropriate grades) and to use the reporting functions to create progress reports and report cards.

## SSTS #5: Blogging

- Watch “Blogs In Plain English” (<http://www.youtube.com/watch?v=NN2I1pWXjXI>)
- Set up your <http://teachers.saschina.org> blog and write your first posts. Watch these screen-casts for review from this SSTS session with your technology leader.
- Explore some uses of blogs in education. Consider possibilities for blogging in your professional environment. Consider this as a possible blog post.



## SSTS #6: RSS and Aggregators

- Watch “RSS In Plain English” (<http://www.youtube.com/watch?v=0klgLSxGsU>)
- Learn about RSS and set up a Netvibes (<http://www.netvibes.com/#General> page or a Google Reader (<http://www.google.com/reader/view/>)
- Feed your reader: find & subscribe to a feed(s).

## SSTS #7: Wikis

- What is a wiki?
- Watch “Wikis in Plain English” (<http://www.youtube.com/watch?v=-dnL00TdmlY>)
- Explore educational uses for Wikis.
- Set up your own page on the wiki installation at SAS (<http://wiki.saschina.org/>)

## SSTS #8: Images, Music & Slideshows

- Learn about Creative Commons: (<http://creativecommons.org/>)
- Watch “Photo Sharing In Plain English” (<http://www.youtube.com/watch?v=vPU4awtuTsk>)
- Intro to Photo-sharing and Tagging; explore Flickr (<http://www.flickr.com/>), Picassa (<http://picasa.google.com/>) or the school’s photo sharing site. (<http://portal.saschina.org/gallery>)
- Create a Garage Band Slideshow using Creative Commons photos and music. Upload to the SAS Media Server (<http://portal.saschina.org/video>) to share.

## SSTS #9: Discover & Reflect

- Attend a "21st Century" Conference (in your PJs)
- Explore one or more tools of choice. Examples might include:
  - \* Blabberize (<http://blabberize.com/>)
  - \* Giffy (<http://www.giffy.com/>)
  - \* Quizlet (<http://quizlet.com/>)
  - \* Ta-Da List (<http://www.tadalist.com/>), etc.
- Blog about something interesting you've found in your Google Reader.



## SSTS #10: Social Bookmarking & Tagging

- Introduction to Social Bookmarking:
- Watch “Social Bookmarking In Plain English” (<http://www.youtube.com/watch?v=x66IV7GOcNU>)
- Set up a Diigo (<http://www.diigo.com/>) account and begin adding and tagging resources.

## SSTS #11: Podcasting & Video-sharing

- Introduction to Podcasting:
- Watch “Podcasting in Plain English” (<http://www.youtube.com/watch?v=y-MSL42NV3c>)
- Explore some educational podcasts.
- Create an enhanced podcast using GarageBand
- Intro to Video Sharing; Explore YouTube, TeacherTube (<http://teachertube.com/>) and the SAS Media Server

## SSTS #12: Get Productive

- Use Google Docs to create and share collaborative documents, spreadsheets and presentations. For an introduction to Google Docs, watch “Google Docs In Plain English” (<http://www.youtube.com/watch?v=eRqUE6IHTEA>)
- Create a custom start page using Netvibes or iGoogle (<http://www.google.com/ig>)
- Blog about something interesting you've found in your Google Reader.

## SSTS #13: Connect & Reflect

- Learn about Social Networking and explore the Classroom 2.0 and other education-related NING Networks.
- Watch “Social Networking In Plain English” ([http://www.youtube.com/watch?v=6a\\_KF7TYKVc](http://www.youtube.com/watch?v=6a_KF7TYKVc))
- Add your reflections to the SSTS Wiki with a linked Garageband Enhanced podcast. Blog about your experiences and next steps.

